

Establishing a PMO Lessons Learned

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Agenda

- Lessons Learned from Industry
- How Academia & State Government Differ
- The Progress We've Made At USC
- The Road Ahead for USC
- Some Advice for the Journey

Lessons Learned from Industry

1. A Focused Team Can Accomplish the Impossible
2. Quality: What Goes Around, Comes Around
3. The Organizational Structure Can Facilitate or Hinder the “Project Culture”
4. Change Takes Patience & Perseverance
5. Project Management is not for the Faint of Heart

1. A Focused Team Can Accomplish the Impossible

- Data General's Eagle Project
 - Westborough, MA
 - 1979
 - Documented by Tracy Kidder in “The Soul of a New Machine”

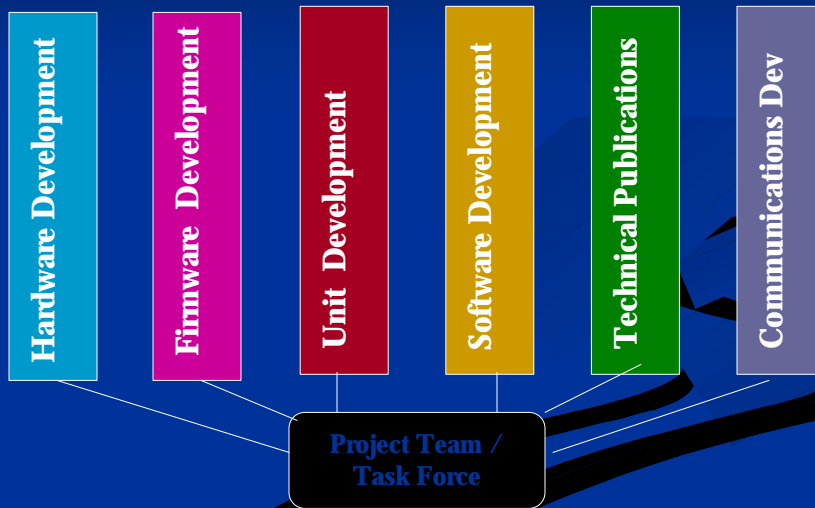
A Focused Team Can Accomplish the Impossible

- The “Soul of a New Machine” Project Team
 - Clear Objectives
 - Clear Time Frames
 - Clear Roles
 - Helps if Everyone Volunteers to be on the Team
 - No Distractions
- A Program of Several Smaller Projects Beats a Marathon

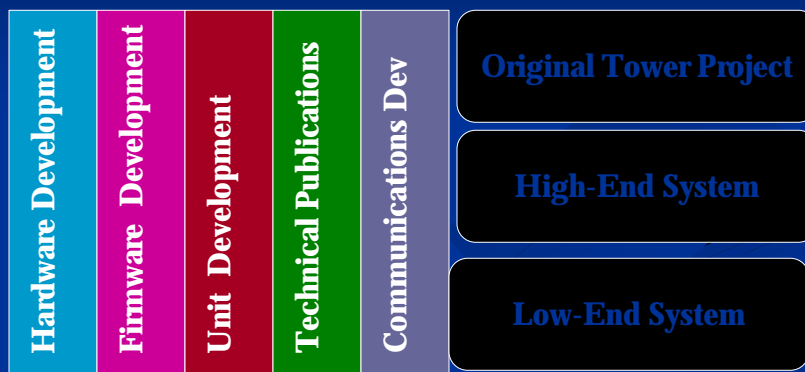
2. Quality Matters: What Goes Around, Comes Around

- Projects Have Defined Objectives, Defined Start, and Defined End
 - Projects Tend to Last a Short Time
 - The Quality of the Solution or Lack Thereof Continues for a Long Time Afterwards....
- Focus on Simplifying Support.
- Would the Operations Team Approve Your Next Project?

3. The Organizational Structure Can Hinder or Facilitate

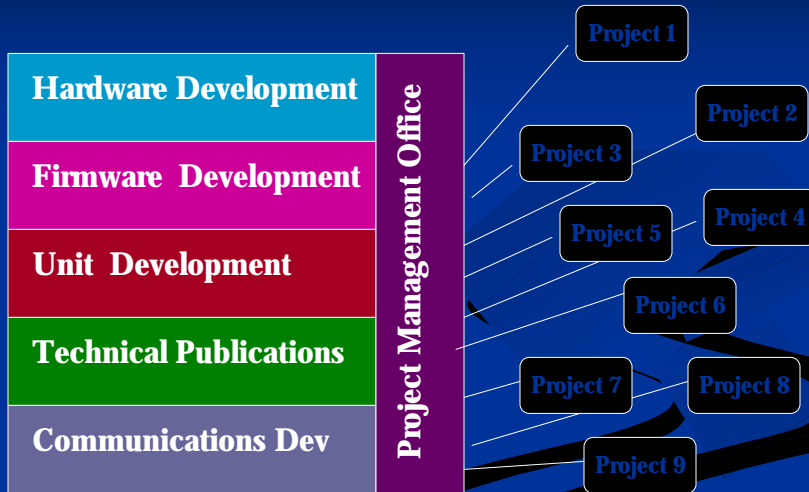


Three Successes Later....



The Projects Had Become the Largest Department

Most Organizations Find the Balance in the Matrix



4. Change Takes Patience & Perseverance

- Introducing Project Management & Process Means Change
- People Don't Like to Change
 - Unless You're the Person Driving the Change
- We Call Them "Comfort Zones" for a Reason

The Two Most Uncomfortable Groups



■ The Heroes

- Projects Mean Less Focus on Individuals, More on Teams



■ The Managers

- Projects Mean Decisions Mostly Made By Teams, Not By Line Managers

Change Takes Patience & Perseverance

- Make the Individuals Feel Valued
 - Help the Heroes Find Their Place
- Involve the Managers in the Governance of the Project Portfolio
- Measure the Progress
- Review What Works, What Doesn't
- Adjust
 - Adjust
 - Adjust

5. Project Management - Not For the Faint of Heart

- The Project Management Role Requires True Leadership
- All the Accountability With No Formal Authority
 - Charter
 - Process
 - Governance



How Academia & State Government Differ from Industry

- Fewer “Impossible” Projects
 - More Diversity of Projects
- Strategic Planning is More Challenging
 - No Dictates from the CEO
 - Diverse Agendas and Priorities
 - The Funding Model is Completely Different
- Culture Is Not Mandated
 - The Change Process Takes Longer
- The Process Must Conform to State Regulations



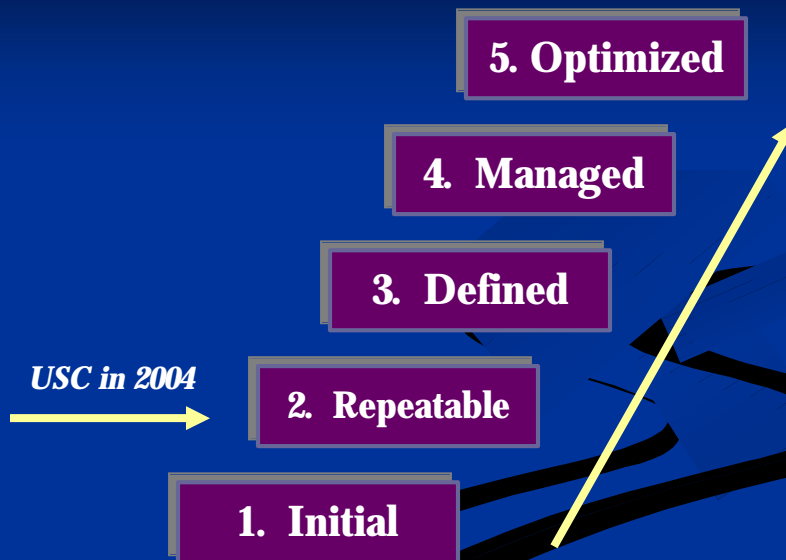
People Are Motivated by the Same Factors

Introducing Project Management at USC in 2004



- The Opportunities
 - Supportive Senior Management
 - Experienced Line Management
 - Interesting, Challenging Projects
- The Challenges
 - No Foundation Architecture
 - Few Processes Defined
 - No Standard Development Process

The Capability Maturity Model

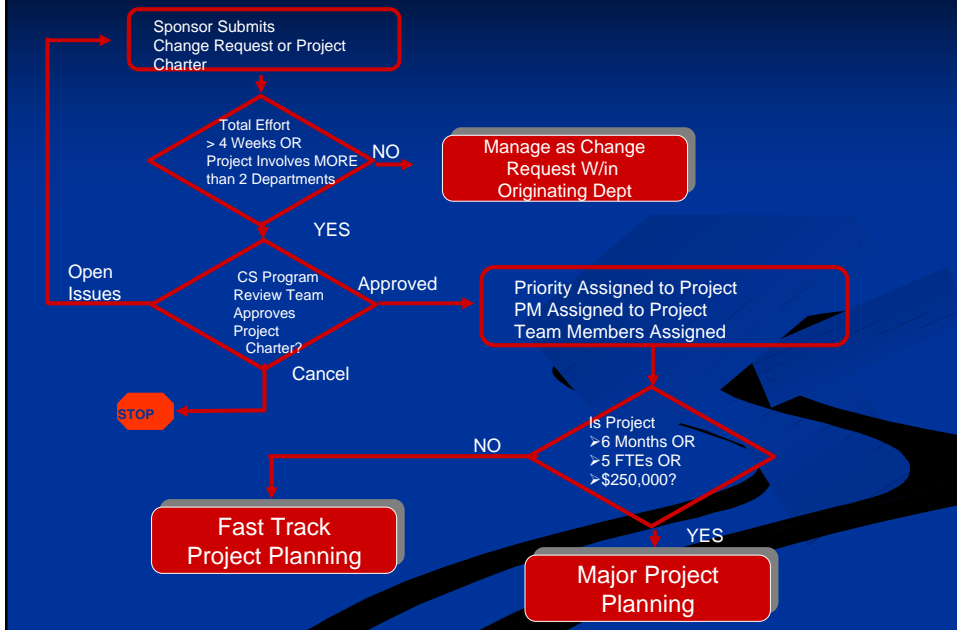


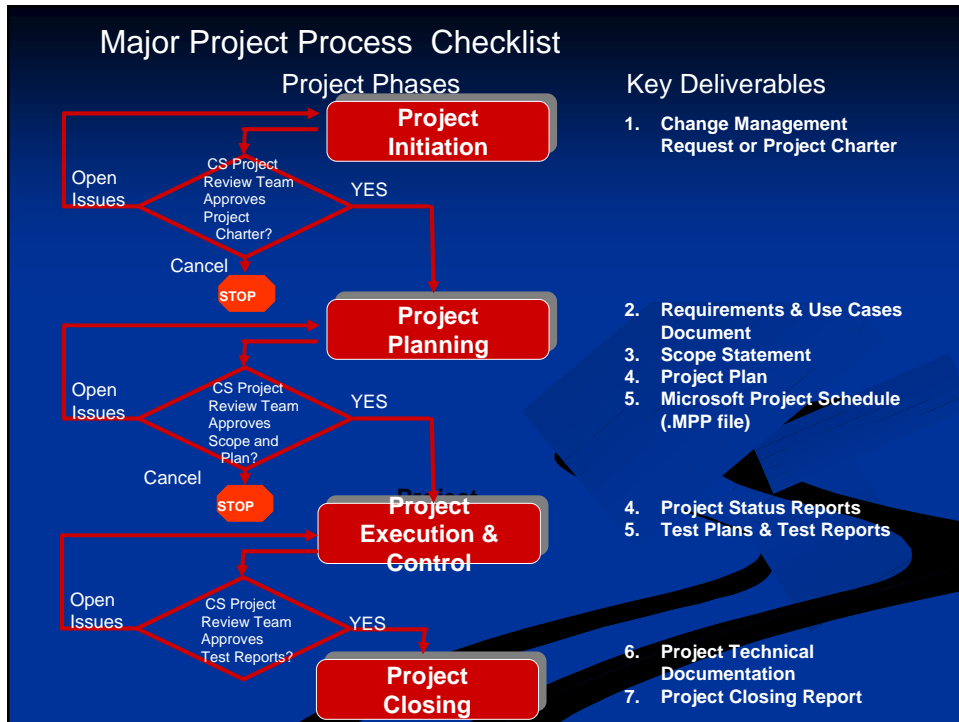
Progress Achieved Since 2004

- Implemented Project Governance & Portfolio Management
- Began Training Project Managers
- Adapted the SC State Methodology
 - Scaled it to Fit USC
 - Fast Track Projects
 - Major Projects
 - Emphasis on Charter & Plan



USC Project Process





Lessons Learned After 2 Years

- The Foundation Architecture is Essential to Portfolio Management
 - Leveraging the SC State Architecture
 - Define What's Specific for USC
- Line Managers Can't Be PM's
 - Project Management Is a Full-Time Job
 - Charters & Status Reports Became the Norm
 - Staff a PMO with Trained & Experienced PM's
 - Hiring Great People Yields Great Results
- Resource Management Remains a Challenge

The Project Office

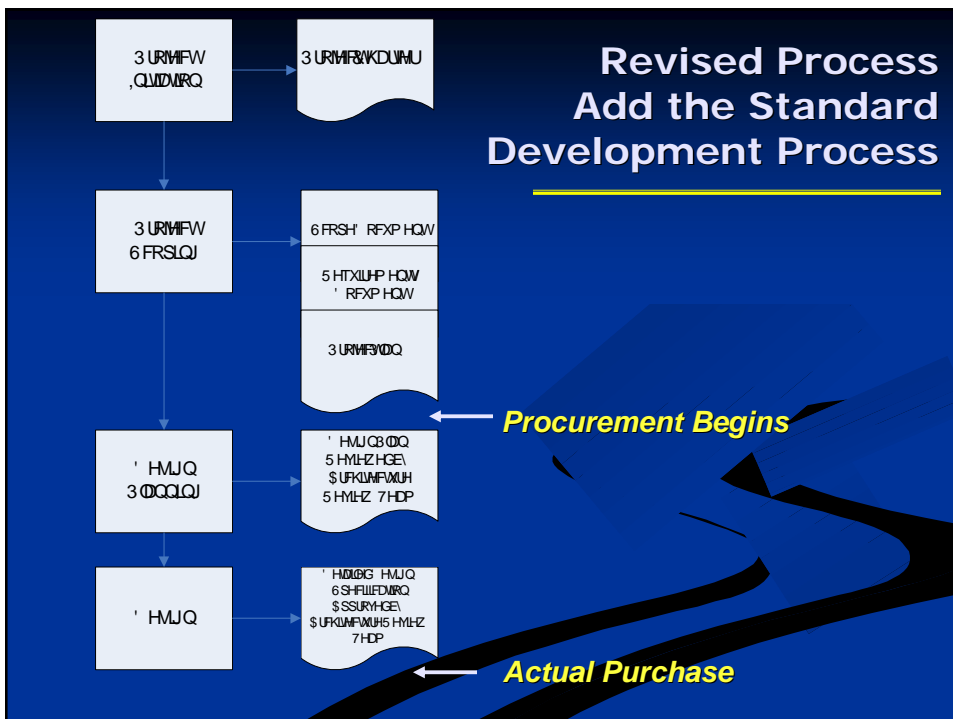
- Project Managers
 - Rita Anderson
 - Kevin Germann
 - Betty Hawkins
 - Richard Stingel
 - Chris Joye (Consultant)
 - Dexter Kennedy (Consultant)
- Process Definition
 - Joyce Shealy
- Engineers
 - Kirk Chapman
 - Bill Crayton
 - Sibyl Hare
- Key Risk: Project Load Per PM

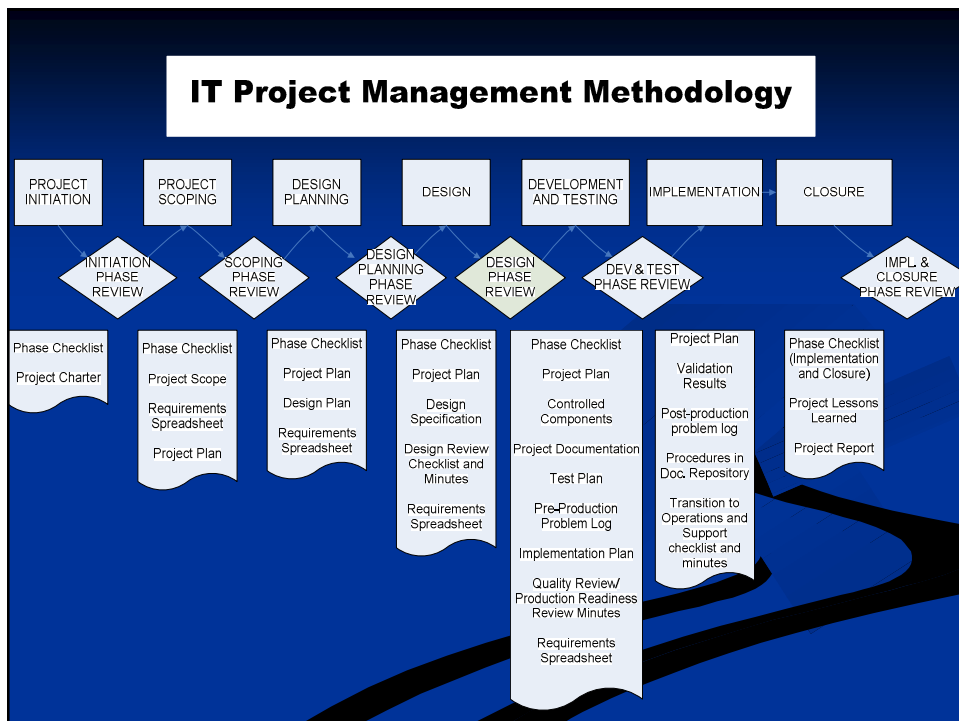
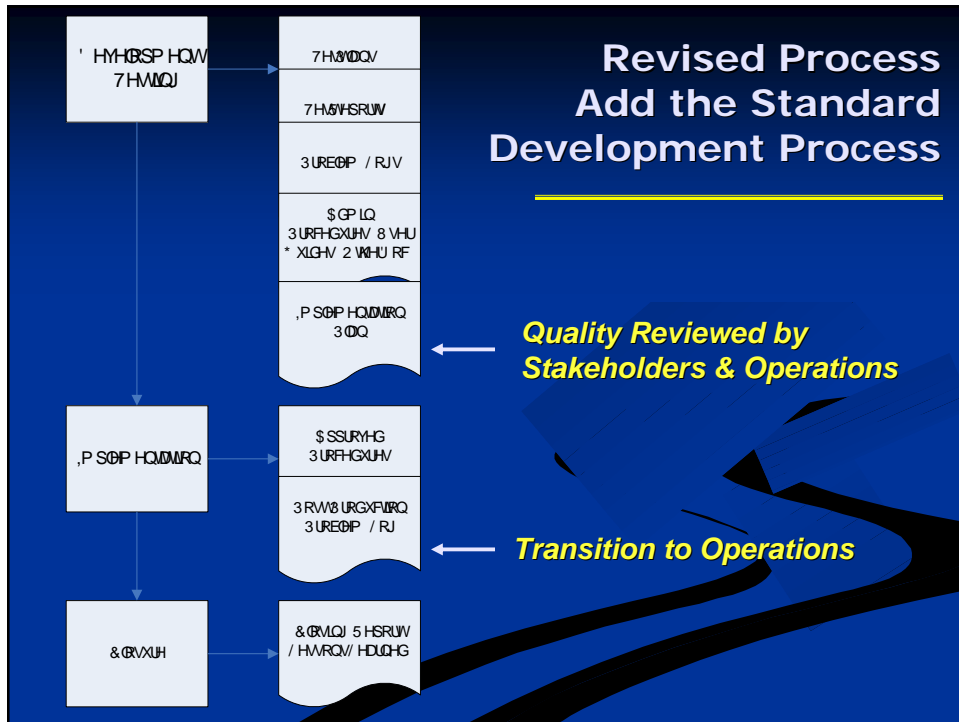
http://uts.sc.edu/csprojects

The screenshot displays the 'ACTIVE UTS PROJECTS' page. It features a navigation sidebar on the left with links like 'POPULAR LINKS', 'DEPARTMENTS', 'SERVICES & SUPPORT', 'NEWS & INFORMATION', and 'A-Z INDEX'. The main content area lists projects under two categories: 'Fast Track Projects' and 'Major Projects'. Each project entry includes a bullet point description and a corresponding manager's name.

Project Name	Manager
Avaya Telephone Switch Upgrade	Germann, Kevin
Blackboard Content System	Brown, Chris
Distributed Data Center	Kennedy, Dexter
Infrastructure Documentation	Kennedy, Dexter
Network Infrastructure Project	Germann, Kevin
Pinnacle Implementation Phase 2	Wilder, Ella
Podcasting	Anderson, Rita
Storage Upgrade	Anderson, Rita
Telephone Switch Self Maintenance	Germann, Kevin
Telephone Switch Upgrade (IP Telephony)	Germann, Kevin
University Fiber Backbone	Germann, Kevin
Web Server Upgrade	Anderson, Rita
Anti-Virus and Anti-Spyware	Anderson, Rita
Architecture Definition	Anderson, Rita
Backup Utility Software	Stingel, Richard
Disaster Recovery Plan	Hawkins, Betty
Enterprise Data and Information Management	Teuber, Janet
Enterprise Directory & Email/Calendar	Anderson, Rita
ERP Phase I	Farnham, Jeff

2 Years Ago	Today	Goal State
No Consistent PM Methodology	Basic PM Methodology; does not address product development or technology introduction lifecycle.	PM Methodology that incorporates product development & new technology introduction.
Key technical/project decisions driven by directors.	SME's participating on teams, but delegation of authority is still evolving.	Directors delegate participation and decision making to SME's on project teams and provide oversight to decision making via PRT.
Inconsistent definition of deliverables	Improved definition and quality of deliverables but consistency varies.	Sustained improvement in quality that is consistent across projects; i.e., expectations are set and met.
Transition to Operations and Support Weak	Operations and Support participating in projects, but transition still weak.	Formal transition to Operations and Support.
Project Resource Mgmt very weak, mostly reactive	Resource management remains a challenge.	Proactively balance resources between projects and Operations.





Increased Project Governance

- More Reviews by the PRT
 - Engages the Top Line Management in Project Decisions
 - Encourages Management to Delegate Day-to-Day Responsibilities to Team Members
 - Manage Via the PRT
- Increased Focus on Resource Management
- Increased Focus on Process & Quality

Next Steps for USC

- Implement The Revised Project Process
 - Piloting 5 Projects
- Define the Architecture
- Develop a Process-Centric Culture
 - Require Documented Operational Processes for All Projects
 - Introduce ITIL

1. Initial

2. Repeatable

3. Defined

4. Managed

5. Optimized

USC in 2006

Some Advice for the Journey

- Find a Little “Soul of a New Machine” in Every Project
 - Work with Management to Get the Right Team Members
 - Ensure that Team Members are Truly Empowered
 - Clarify Goals & Roles
- Make Incremental Progress Towards Best Practices
- Celebrate Each Success

Believe You Can Succeed

- Attitudes are Contagious
- If Optimism Is Not Your Nature...
 - It Just Needs To Become The Habit You Practice!



For More Info

University Technology Services
<http://uts.sc.edu/csprojects>

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